

CLAIMS (29602)

What is claimed is:

1. A method for decoding received sums of QPSK-modulated spreading codes corresponding to elements of CFC codewords, comprising:
 - (a) despreading received sums of QPSK-modulated spreading codes with each of said spreading codes;
 - (b) forming linear combinations with coefficients ± 1 and $\pm j$ of the results of step (a), said combinations corresponding to possible sums as elements of CFC codewords;
 - (c) finding the maximum of said combinations of step (b);
 - (d) determining a codeword and cyclic shift from the results of step (c).